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**PATENT**

**UTILITY PATENT APPLICATION TRANSMITTAL**

Assistant Commissioner for Patents  
Washington, D.C. 20231  
**BOX PATENT APPLICATION**

Customer No.: 23696  
Attorney Docket No.: 020038  
Date: January 23, 2002  
Express Mail Label No.: ET100744151US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Medvedeve, et al.  
For: Reallocation of Excess Power for Full Channel-State Information (CSI) Multiple-Inout, Multiple-Output (MIMO) Systems.

Enclosed are:

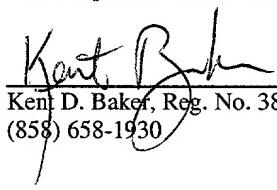
1.  Patent application (47) total pages.
2.  Drawings:  Formal (9) sheet(s) or  Informal ( ) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  This application claims priority from Application Serial No. , Filed , Status
5.  An Assignment ( ) pages and Recordation Form Cover Sheet.
6.  A Preliminary Amendment ( ) pages.
7.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
8.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	47 - 20	27	x \$18 =	\$486.00
Independent**	13 - 3	10	x \$84 =	\$840.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
APPLICATION FILING FEE			\$740	\$740.00
			TOTAL FEE	\$2066.00

\*If the number in column a is less than 20, enter 0 in column b.

\*\*If the number in column b is less than 3, enter 0 in column b.

8.  A check in the amount of \$\_\_\_\_ is enclosed to pay the filing fee.
9.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$2066.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: January 23, 2002Signature: 

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San Diego, California 92121-1714  
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of )  
Medvedev, et al. ) For: Reallocation of Excess Power  
Serial No. Unknown ) for Full Channel-State Information  
Filed: Herewith ) (CSI) Multiple-Input, Multiple-Output  
                    ) (MIMO) Systems  
                    )  
                    ) Group Art Unit: Unknown

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents  
BOX PATENT APPLICATIONS  
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Dear Sir:

"Express Mail" mailing label No. ET100744151US  
Date of Deposit JANUARY 23, 2002

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

**PATENT APPLICATION IN 47 PAGES; TRANSMITTAL LETTER IN  
DUPLICATE; 9 SHEETS OF FORMAL DRAWINGS; UNSIGNED  
DECLARATION/POWER OF ATTORNEY; AND POSTCARD**

Kayla R. Seignious

(Name)

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